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Concl.

39. (AMENDED) An apparatus according to claim 27, wherein the processor searches through N target frames to locate the one or more blocks of pixels.

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42. (TWICE AMENDED) A television system which receives coded video data, and which forms images based on the coded video data, the television system comprising:

a decoder which decodes the video data to produce frames of video;

a processor which increases a resolution of a reference frame of the video based on pixels in the reference frame and based on pixels in at least one other target frame of the video; and

a display which displays an image based on the reference frame;

wherein the processor increases the resolution of the reference frame by selecting blocks of pixels in the reference frame and, for each selected block, (i) locating, in N ($N \geq 1$) target frames, one or more blocks of pixels that substantially correspond to the first block of pixels, where the N target frames are separate from the reference frame; (ii) determining values of additional pixels based on values of pixels in the selected block and on values of pixels in the one or more blocks, and (iii) adding the additional pixels among the pixels in the selected bloc
